Mobile Power

Zero Emissions Zero Noise

PLUG&PLAY	PEAK SAVING
LOW LOAD	LOAD SHARING
UPS	RENEWABLES INTEGRATION

GENERAL TECHNICAL DATA		EHR 30/30	EHR 30/60
Nominal rated power	kVA	30	30
Nominal energy storage capacity	kWh	28,4	56,8
Rated voltage (50Hz)	VAC	400/230	
Maximum power input	A	100	
Maximum passthrough	A	100	
Operating temperature	ºC	-15 to 50	
Protection		Overload, Overheat, Short Circuit	

BATTERIES			
Quantity	Un	8	16
Type		LFP (LiFePO$_4$)	
Battery system voltage	VDC	48	
DoD % (depth of discharge)		90%	
Energy density	Wh/kg	111	
Overcurrent capability		up to 2 x recommended current	
Lifetime (90% DoD)	Cycles	6000	
Battery management system		LFP batteries with built-in BMS	
Maintenance charge cycle		1 week	

INVERTER			
Quantity	Un.	3	3
Total nominal power	kVA	30	30
Max. Charging current	A	420	

OVERLOAD		
Peak power of 200% of the nominal power (short-circuit)		0,5 seconds
150% of nominal power where the output voltage remains stable	Not available	5 seconds
130% of nominal power where the output voltage remains stable		30 minutes
Start up current of loads (2 Phase motor)		3 x nominal current

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PERFORMANCE		EHR 30/30	EHR 30/60
Recommended generator size	kVA	50 - 123	
Max outlet hybrid system	A	143	
Recharging time / Maintenance time			
Recharging time	h	1,22	2,45
Maintenance recharging (@DoD%)	h	7,45	14,90
Discharging autonomy			
100% nominal power	h	0,58	1,46
75% nominal power	h	0,78	1,94
50% nominal power	h	1,17	2,91
25% nominal power	h	2,33	5,83

RENEWABLE ENERGY	
MPPT	2 x 4kW MPPT
Protections	SPD + MLCB
Max. PV short circuit current	140A (max 30A per MC4 conn.)
Max. PV voltage	250V
Connectors	6 pair 30A - MC4

DIMENSIONS AND WEIGHT		EHR 30/30	EHR 30/60
Dimensions (L x W x H)	mm	1620 x 1150 x 1920	
Weight	kg	1031	1287

20 ft — 8 units
40 ft — 16 units
13m — 16 units

UN 3481 — ADR Designation - UN3481 Clas.9A
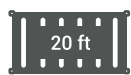
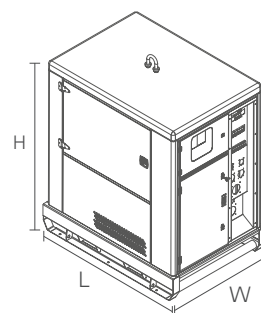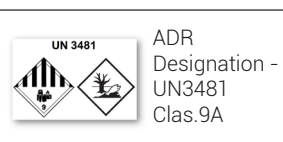## SCOPE OF SUPPLY

ANOPY
- Powder coating with primer coating according to HIMOINSA standards.

ACCESIBILITY
- Wide doors to check servicing and commisioning in customer interface.
- Cables entry

SECURITY
- Internal locker for batteries.
- Antitheft hinges and door lockers.
- Earth pin (grounding rod not included)

TRANSPORTABILITY
- Forklift pockets
- Lifting hook

OPTIONALS

- Custom colors.
- Custom sockets distribution (input and output)
- Galvanized baseframe
- Trailer

HIMOINSA
A YANMAR COMPANY

CONTROL PANEL

Model	**HICORE**	Control module with TFT4.3" display and buttons
Remote generator start	Dry contact relay
Remote communication	3G/4G Dual SIM modem / router. eHR Battery Power Box Software / C2Cloud
Communication	Web APP

HICORE®
HIMOINSA SYSTEM

HICORE guarantees the optimisation of the different power sources by means of an interface that has been designed to provide a guided and simple experience for any operator, who will be able to choose the most appropriate working mode at any given moment. In addition, to ensure immediate start-up, we offer a Plug&Play mode which allows the EHR to automatically decide which is the best operational option at any given moment based on a constant analysis of the load profile and the connected sources.

Start ASSISTANT to set up a working mode or to charge the batteries.

User experience
Easy system configuration and handling. Smart guidance throughout the start-up process with a wizard, making it esay to operate the unit.

Always connected
Get all the performance info you need through C4CLOUD which comes pre-installed on the unit. Monitor, read and analyse all the performance and load profile information locally or remotely (4G) to optimise your site's power solution.
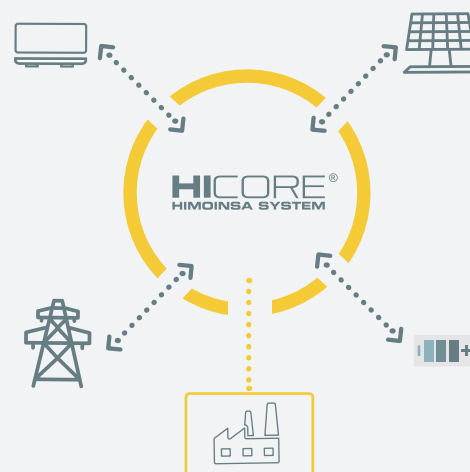
SOCKETS OPTIONS		400V/50Hz/3p+N	
		V3	V4
IN	CETAC 5Px125A 400v	-	1
	CETAC 3Px16A 230v	1	1
OUT	CETAC 5Px125A 400v	-	1
	CETAC 5Px63A 400v	1	1
	CETAC 5Px32A 400v	1	1
	CETAC/PIM/RIM 3Px16A 230v	2	2

Every socket include circuit breaker. Power Output protected by Earth Leakage Relay. Domestic sockets with ELR

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